

Fig. 7A

CGFP\_Cly 000:atgactgcaattacccgaaggccaaactgttccgaaaggaaatttccctacattacaggg  
GFP\_Ren 000:atgagtaaccaaattatggaaacacttgcgtttacaagaatgttgcgtataaagttaat  
GFP\_Acq 000:atgagtaaaaggagaagaacttttcactggatgtttcccaattttgttgaatttagatggc

CGFP\_Cly\_120: actactggaccatcaaegcaaataatttgccaaacttgtgaccccttctgttaccatcg  
CGFP\_Ren\_120: ttatttcggaaatcaactggttcaagatlcgrgtcaagaaaggggcccaactgccttttgc  
GFP\_Aeq\_120: aaacttacccttaattttgcactactggggaaactacccgtttccatggccaaacactt

Fig. 7B

CGFP\_Cly\_300:tttgcacaaatgtggacaatacgtgtggcaaggttactttatgaaacggaaacactt  
GFP\_Ren\_300:cgttacgaaatggggacttgtgtggaaattcgttcgatataatttaatggaaacaaag  
GFP\_Aeq\_300:aaagatgcggaaactacaagacactgtgtggaaatgtgtataatgggtatacccttgtt

CGFP\_Cly\_060:ttggaaaggagacgttgtgaaggaaatgcatttcattcatcaagggtggaaagggtactcgacgtt  
GFP\_Ren\_060:ctggaaaggatgtttaacaaccatgttttacaatggagggttggggcaaaaggaaattt  
GFP\_Aeg\_060:gtgttaatggccaaaaattctgtcgtggagggttggaaagggtatgtatgcacatcgga

Fig. 7C

CGFP\_Cly\_120:actactggaccatcaaaagejaaataatttgccaaacttggacctttctgtaccatgg  
GFP\_Ren\_120:ttattcggaaatcaacttggccatgtcgatcgaaaggccactgtccttttgc  
GFP\_Aeq\_120:aaacttacccttaaaattttgcactacttggaaacttacccatgttccatggccaaacact  
  
CGFP\_Cly\_180:gcctaccatcttgatgtttcgatggttttcgctaaagtatccacggcc  
GFP\_Ren\_180:tttgatattgttccaaatggccaaatgtttccatggaaatattccgaaat  
GFP\_Aeq\_180:gtcactactttctttatgggttcaatgtctttcaaaatcccgatcatatgaaaacag  
  
CGFP\_Cly\_240:attggccaaattttcaaggacacaaaccaggatggttattccacaaagacagaatcatttagt  
GFP\_Ren\_240:gtatatacgatttttataatccggaggattttatgtatgaaacgaaacatt  
GFP\_Aeq\_240:catgactttcaagagtccatggcccgaaaggttatgtacaggaaactatattttac  
  
CGFP\_Cly\_300:tttgacaaatgtggacaaatacgatgtccaaaggccatgttcaatccaaacatccttggatgt  
GFP\_Ren\_300:cgttacgaaatggccggactttgttgaatttcgttccatgttccatgggttccgtcatgg  
GFP\_Aeq\_300:aaagatggccggaaactaaacaaacgtgtcaagtttggagggtatacccttgtt  
  
CGFP\_Cly\_360:tataatagagtccacaggacttggttcaatccaaacatccttggatgt  
GFP\_Ren\_360:ttcgcttacagacttggatccatggggatgttccatgggttccgtcatgg  
GFP\_Aeq\_360:aaataqaatccqaaqttaaaagggtttatgtatttttaaqaatqaaacatcttttgttqacacaaa

Fig. 7D

CCFP\_Cly 420:agagttctbaccattcacccacccgtctacatccctgtacatggcttgcacccatgtaaatgg  
 CFP\_Ren 420:aagactatctttaggaatagagccatgtacatgtaaatggcttgcacccatgtaaatgg  
 GFP\_Aeq 420:atggaaataactacataatggatacatatggcagacaaacccaaatgg

CGFP\_C1y\_480:ggcatggaaaatttgaataacaataaggcttttgcgttatggggggggccacaaatggcg  
GFP\_Ren\_480:gtcggcqaaggtaattttgtctataactaaactctggaaatatttcatgtcacatg  
GFP\_Aeq\_480:atcaaaggtaacttcaaaaattagacacacatcaaaggatggaaagggtcaatttagcagac

**CGFP\_Cly** 600 : catcttacccgtatggacttttcggaaaatccggatgtatggaaactgaccatttg  
**GFP\_Ren** 600 : catcgtttggaaaagacttacgttagaaqacgggggttcgttgcacagcatgagactgtct  
**CGFP\_Aeq** 600 : ctgtccacacaatctqccctttccaaadatcccaacqaaaqagatcacaatqatccctt

CGFP\_C1Y\_660: accatcgctcgaaagtcatcaaaggctgtttggaaacataccgttgtaaatgg  
GFP\_Ren\_660: attgctcaatgcacatctatagggaaaaccactaggatccttacacg  
CGFP\_Aea\_660: ctgtggatgttggaaacaqctoctggatcacatggatggatqaaactatacataataatg

Fig. 7E

CGFP\_C1y\_720:-----  
GRFP\_Ren\_720:----g----gt----ttaa  
GRFP\_Aeq\_720:tccagacttccaaatgaa